

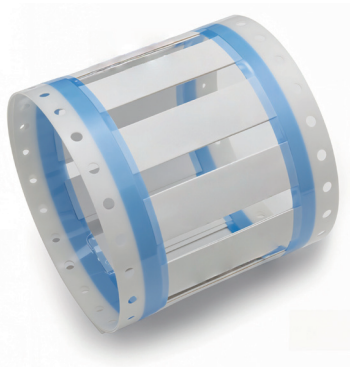
Inkilo

135°C Military Grade Flame-Retardant Printable Tubing
135°C军标级阻燃标识套管

轻质、速缩、可打印热缩管
Lightweight, Fast-Shrink, Printable Tubing

这个产品采用耐用、阻燃的辐照交联聚烯烃制成，轻薄且快速收缩，适用于航空、军工、工业、交通及能源等领域。适用于恶劣环境下线缆标识、绝缘和机械防护。

This product is made from durable, flame-retardant, radiation cross-linked polyolefin, offering lightweight and fast-shrinking properties. Printable tubing ensures cable identification, insulation, and protection for demanding aerospace, military, industrial, transport, and energy applications.



产品特性与优势 Features and benefits

性能 Property	指标要求 Requirement	测试方法 Test Method	典型值 Typical Data
操作温度范围 Operating Temperature	/	/	-55°C to +135°C
最低收缩温度 Min. Shrink Temperature	/	/	+70°C
完全收缩温度 Full recovery temperature	/	/	+110°C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥10.4MPa	ASTM D 638	≥12MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 638	≥400%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 638	≥400%
热冲击 Heat Shock	无裂痕 No Cracking	ASTM D 2671 (225°C, 4hrs)	无裂痕 No Cracking
低温柔软性 Low-temperature flexibility	无裂痕 No Cracking	ASTM D 2671 (-55°C, 4hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (2500V, 60s)	无击穿 No Breakdown
击穿强度 Dielectric Strength	≥19.7 KV/mm	ASTM D 2671	≥25 KV/mm
体积电阻率 Volume resistivity	≥10 ¹⁴ Ω·cm	ASTM D 876	≥10 ¹⁴ Ω·cm
腐蚀性 Corrosion	无腐蚀 No Corrosion	ASTM D 2671	无腐蚀 No Corrosion
阻燃性 Flammability	1分钟内自熄 Self-extinguishing within 1 min	ASM-DTL-23053	通过 Pass
打印性能 Printing Performance	50次橡皮擦，可辨认 30次来回擦，可辨认 50 rubs, legible 30 strokes, legible	SAE AS81531 MIL-STD-202	通过 Pass
抗液体 Fluid resistance (23°C, 24hrs)	打印可识别 Printing legible	SAE AS81531	通过 Pass

- 收缩比2:1, 3:1
- 军标级材料，柔软、阻燃、耐用
- 连续管可打印，优异且持久标识
- 优异的电气、物理和化学性能
- 可定制轨道式或卷式标识套管

- Shrink ratio 2:1, 3:1
- Military grade, flexible, flame-retardant, durable
- Printable continuous tubing, permanent identification
- Excellent electrical, physical, and chemical properties
- Customizable rail-type or roll-type are available.

符合标准 Standards

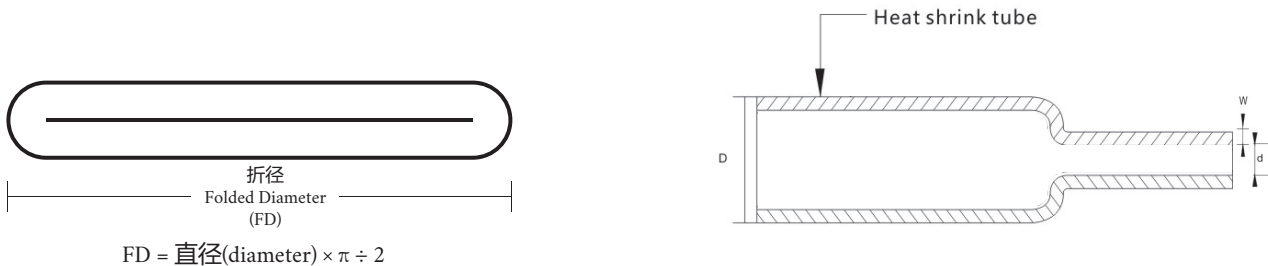
- SAE AS 81531
- MIL-STD-202
- RoHS;
- REACH

颜色 COLOR



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135°C Military Grade Flame-Retardant Printable Tubing
135°C军标级阻燃标识套管



收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)			收缩后 After recovered(mm)		标准包装 Standard packing (m/roll)
			内径 I.D(D)	折径 FD	双层壁厚 Dual W.T (W)	内径 I.D (d)	单层壁厚 Single W.T (w)	
2:1	Inkilo-135-2x24	2.4(3/32")	2.79±0.20	5.0±0.3	0.48±0.10	≤1.18	0.49±0.06	100
	Inkilo-135-2x32	3.2(1/8")	3.64±0.23	6.3±0.4	0.48±0.10	≤1.59	0.51±0.06	100
	Inkilo-135-2x48	4.8(3/16")	5.26±0.25	8.9±0.4	0.49±0.10	≤2.36	0.54±0.06	100
	Inkilo-135-2x64	6.4(1/4")	6.92±0.28	11.5±0.4	0.50±0.10	≤3.18	0.56±0.06	100
	Inkilo-135-2x95	9.5(3/8")	10.2±0.32	16.7±0.5	0.51±0.11	≤4.75	0.59±0.06	100
	Inkilo-135-2x127	12.7(1/2")	13.5±0.36	21.8±0.6	0.52±0.11	≤6.35	0.60±0.07	100
	Inkilo-135-2x191	19.1(3/4")	20.1±0.40	32.2±0.6	0.53±0.11	≤9.53	0.62±0.07	100
	Inkilo-135-2x254	25.4(1")	26.7±0.45	42.5±0.7	0.55±0.12	≤12.7	0.63±0.07	100
	Inkilo-135-2x381	38.1(1.5")	39.8±0.51	63.2±0.8	0.57±0.12	≤19.1	0.64±0.07	100

收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)			收缩后 After recovered(mm)		标准包装 Standard packing (m/roll)
			内径 I.D(D)	折径 FD	双层壁厚 Dual W.T (W)	内径 I.D (d)	单层壁厚 Single W.T (w)	
3:1	Inkilo-135-3x24	2.4(3/32")	2.79±0.20	5.0±0.3	0.47±0.10	≤0.79	0.57±0.06	100
	Inkilo-135-3x32	3.2(1/8")	3.64±0.23	6.3±0.4	0.48±0.10	≤1.06	0.61±0.06	100
	Inkilo-135-3x48	4.8(3/16")	5.26±0.25	8.9±0.4	0.49±0.10	≤1.59	0.67±0.06	100
	Inkilo-135-3x64	6.4(1/4")	6.92±0.28	11.5±0.4	0.50±0.10	≤2.13	0.71±0.06	100
	Inkilo-135-3x95	9.5(3/8")	10.2±0.32	16.7±0.5	0.52±0.11	≤3.18	0.77±0.06	100
	Inkilo-135-3x127	12.7(1/2")	13.5±0.36	21.8±0.6	0.53±0.11	≤4.23	0.80±0.07	100
	Inkilo-135-3x191	19.1(3/4")	20.1±0.40	32.2±0.6	0.55±0.11	≤6.35	0.84±0.07	100
	Inkilo-135-3x254	25.4(1")	26.7±0.45	42.5±0.7	0.56±0.12	≤8.47	0.86±0.07	100
	Inkilo-135-3x381	38.1(1.5")	39.8±0.51	63.2±0.8	0.57±0.12	≤12.9	0.89±0.07	100

可选择卷式或轨道式，接受特殊尺寸及颜色定制需求，技术参数如有变更，恕不另行通知。最低订购量(MOQ)可能与包装数量有所不同。
Available in both roll-type and rail-type options, with special sizes and color customization upon request. Technical specifications are subject to change without prior notice.
The minimum order quantity (MOQ) may differ from the standard packaging quantity.

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